

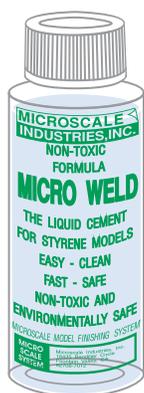
THE MICROSACLE SYSTEM MODEL FINISHING PRODUCTS

Microscale Model Finishing Products are especially formulated for model building and decorating in conjunction with decals printed by Microscale.

Microscale is constantly improving all its products with an eye toward better performance and safety. Since application may be somewhat different, it is most important that you read the instructions carefully to make sure you are using these products correctly. In this way you can be assured that you will obtain the best results possible when you create a model.

MICRO WELD MI-6

1 oz. bottle



There is nothing quite like **Micro Weld** styrene solvent cement. You will find that application is very much different from, and easier than, other cements. It is much more forgiving than other cements are, stronger when dry, and will not craze clear plastic or tend to warp thin plastic parts like other cements can. Since it will not “lift” most paints, it can be used to repair models without repainting. No longer do parts need to be held together while applying adhesive to the seams. You will now have both hands free to position parts properly.

This is the way to apply **Micro Weld**: Using a small artist's brush, apply a thin coat of **Micro Weld** to the edges of the parts to be joined. The coated edges become very tacky, like contact cement. Now join the parts by pressing them together. You will have a few seconds to remove or realign the parts for a perfect fit. Avoid getting cement in unwanted areas, but, if you do, allow a couple of minutes for the cement to dry before touching or you may mar the finish. That is all there is to it! Be sure to allow the cement to dry completely before painting. You now have a strong bond that is not brittle and will last.

There is another big bonus with the product **Micro Weld**: It is safe for almost everyone to use, as there are no health hazards, environmental hazards and is only mildly flammable.

MICRO SET MI-1

1 oz. bottle



Micro Set is a very versatile decal setting solution that does several things to **Microscale Decals** to improve application. **Micro Set** should be applied to the surface of the model where you will be sliding the decal off the paper backing. **Micro Set** prepares the surface with special wetting agents that cut the oils in new paint and convert the adhesive on the back of the decal to a stronger and longer lasting one. In addition, **Micro Set** slightly softens the decal film to make it more flexible so that it will conform better to the model's surface. Better adhesion of the decal to the model prevents tiny air bubbles from forming and results in an invisible carrier film for the so-called “painted on look.”

To apply **Micro Set**: Use a soft flat artist's brush and apply **Micro Set** where you are going to apply the decal. Then slide the decal off the backing paper using a small pointed tip synthetic bristle brush to carefully position the decal in its proper position. Blot the decal carefully with a tissue or paper toweling, being careful not to disturb its position. Allow the decal to dry overnight. It will then be ready for a protective coat of **Micro Coat Flat, Satin or Gloss**.

MICRO SOL MI-2

1 oz. bottle



Micro Sol setting solution is for the most difficult irregular surfaces to be found on models. It completely softens the **Microscale Decal**, allowing it to drape down onto the surface of the model, conforming perfectly to surface irregularities without distortion. The most amazing results in seemingly impossible places are possible because **Micro Sol** actually makes the decal part of the painted surface. For that reason you should coat **Micro Sol** on for only a few seconds and then leave it alone. It does the work. Do not touch until the decal has dried, as the decal is very soft at this stage and could be easily damaged.

For the best results, first apply **Micro Set** to prepare the surface and enhance the adhesive. Make sure the surface is free of particles that could get under the decal's film and cause a blemish. Then, when everything is dry enough that the decal will not move easily, apply **Micro Sol** with a small flat brush. Apply with as few strokes as possible so as not to disturb the decal. Then allow the decal to dry without disturbing it. One application is enough in most cases but, if necessary, a second application of **Micro Sol** can be helpful. Following these simple instructions will result in a model with professional looking markings.

MICRO KRISTAL KLEAR MI-9

1 oz. bottle



If there was ever a modeler's secret, this is it. **Micro Kristal Klear** can do so many things that can make a big difference in the appearance of your models. First, **Micro Kristal Klear** is a liquid that can be used to form very real looking small windows up to about 1/4 in size. It is also an adhesive for mounting clear plastic parts, windows, etc. on models. It can be used to make lenses, both clear and colored, with the addition at a little food coloring. What really makes a remarkable difference in your models is the simple fact that the clear parts can be joined to the painted parts with a completely clear adhesive. This means that you do not have to mask around the clear parts, something that is difficult to achieve satisfactory results with. Moreover, the sills, which are painted, can be seen through the clear **Micro Kristal Klear** for the most realistic looking windows possible on a model.

What the pros like best is that it works quickly and easily and stays clear. It cleans up with water while wet and is waterproof when dry. It changes from a milky white to clear as it dries. As if that were not enough, if you need a super strong and flexible adhesive for wood, plastic, paper or most combinations of dissimilar materials, **Micro Kristal Klear** fill the bill as an adhesive, it's great!

When producing small windows, simply dip a toothpick into the thick liquid and apply a little all around the edges. Holding the toothpick in as flat a position as possible to the opening, draw it across, from one side of the opening to the other. This creates a "bubble" of film that fills the opening, which dries into a very thin and clear window of scale thickness that is also strong and flexible. When installing larger clear parts, paint the model first, then apply a small amount of **Micro Kristal Klear** along the edges to be joined, install the clear parts and let dry.

MICRO MASK MI-7

1 oz. bottle



Micro Mask is like masking tape in a bottle, only better. Simply apply it with a brush, let dry, and cut it to any shape desired with a sharp pointed hobby knife. Peel out the part where the paint is to be applied, leaving a coating of **Micro Mask** covering areas that do not receive paint, and then apply your paint. However, do not use water-based paints with **Micro Mask**, because it is water-soluble. Note, more than one coat may be necessary to build up some depth in thickness making it more easily removed. Irregular surfaces, odd shapes, any detail that you can cut with a knife – **Micro Mask** is your choice for all these difficult masking challenges! There is also the added bonus of paint not creeping under **Micro Mask**, unlike regular masking tape. To remove **Micro Mask** after the paint has dried, simply rub a piece of masking tape onto the **Micro Mask**, and then pull it quickly away. In difficult areas, applying water to the **Micro Mask** will soften it, and then it can be removed with an old toothbrush.

MICRO COAT GLOSS MI-4

MICRO COAT SATIN MI-5

MICRO COAT FLAT MI-3

1 oz. bottles



The **Micro Coat Finishes** are more than just an attractive finish – this is one *tough* finish, and a real breakthrough in a modern formulation of water-reducible acrylic resin. For models that get a lot of handling, this is the answer. Even **Micro Coat Flat** and **Micro Coat Satin** continue to look like new after a great deal of handling.

Of course, the main reason to use **Micro Coat Finishes** is that they are the ideal way to insure that your **Microscale Decals** perform at their full potential for realism. This way they do very well by hiding the edge of the decals carrier film. **Micro Coat Gloss** gives you a “wet look” shine that replicates the new synthetic paint used on the real thing. It is also the answer for a glossy base necessary for decaling all the



Micro Coat Finishes use the same water clear acrylic resin, which is rough and flexible and adheres strongly to paint and plastic. The finish should last at least twenty years under ordinary conditions, for models this should be forever? This product should be airbrushed for best results. You can dilute the **Micro Coat finishes** with distilled water by 10 to 15% for air brushing. For clean up, before it is completely dry, ordinary warm tap water with a little detergent works great. If you put 3 inches of water in a container beside you while you are spraying you can clean up instantly by removing your paint supply and running water through the airbrush while operating it in the container immersed in water. This is quick and easy and makes no mess. It is especially handy if you are doing a lot of spraying with time in between.



It is recommended to use about 25 lbs psi. or more of air pressure to your airbrush. The job comes out smoother and dries' faster. For those who do not air brush, you can use a brush for application of your desire and thinning procedures may not be needed? Apply like you would do for lacquers, use single strokes in one direction and feather lightly. Do not brush in or you will leave brush strokes. There are times in touch up phase or detail work where you may use this technique.

MICRO LIQUIDTAPE MI-10

1 oz. bottle



Micro Liquidtape is a liquid adhesive that when applied to one side of a part and allowed to dry, can be pressed on to another clean part where it will stick firmly enough for a display model. You can take it apart again and again as long as they stay clean. Even then, another coat will renew it. Say you would like to do a complete interior on a model, but when the model is finished you could not see it? If the top or some other likely part is separate, you would use **Micro Liquidtape** as the final assembly and retain the ability to remove it at any time, revealing your detailed interior

There is another important use for this product, and that is in basic model construction such as “scratch building” where you are shaping a part from a pattern, which you could remove after forming? When you get to this advanced form of modeling you will know how best to use **Micro Liquidtape**.

Micro Liquidtape is also a water clean up formula, as long as it's done before it has dried.

MICRO LIQUID DECAL FILM MI-12

1 oz. bottle



Everyone should have **Micro Liquid Decal Film** on hand who models and uses decals, especially if you have been modeling for some time? The typical decal scrap box is not the best place to store the decals. Exposure to air, sunlight, moisture, great swings in temperature/humidity or general abuse, decals can go bad. **Micro Liquid Decal Film** solves all the problems you may have encountered putting on thin stripes that have broken apart due to being too brittle? **Micro Liquid Decal Film** restores old decals in most cases, and allows the modeler the ability to use old stock. Of course if you have already placed them in water it is too late. So, if you have some old decals you really have to use, coat them with **Micro Liquid Decal Film** to be sure? If you find any indication that you might have a problem, don't take a chance, you can solve the problem on the spot. Simply take a small brush and coat the image on the decal with a thin coat you want to use. Allow drying for 30 minutes and apply the decal as usual.

But that is just the beginning, if you want to make a decal of your own design; all you need is some clear decal paper. The unused margins of some decals you have will do or **Microscale's** clear decal film is even better. You can use ink, paint, and even dry transfers on **Microscale's** clear **Trim Film** to make a design. Then coat with **Micro Liquid Decal Film**, and you may be surprised at how well you can do. It is a lot easier to do art work on a flat surface than directly on a model.

MICRO METAL FOIL ADHESIVE MI-8

1 oz. bottle



The fact is nothing looks like real metal except real metal. Our **Micro Metal Foil Adhesive** is a very easy and very inexpensive way to apply real metal foil to your models. The most common foil is ordinary household Aluminum foil, which most people have in their homes. With a little checking around you will find that there is also stainless steel foil, copper foil and a few others. The softer and thinner foils are the easiest to use, but if the surface you want to metal clad is not too tough, you can use anything on the market.

Application is simple: Getting a soft flat type brush that doesn't shed hair is the first thing. Polyester bristle works best. Then find a clean place to work where you will not pick up particles that could get under the foil and cause tiny lumps. The rest is simple. Apply as thin a coat to the backside of the foil as you can. Household foil usually has a dull and a shiny side, coat the opposite side of the one you wish to use. Let dry 15 minutes or until the adhesive is clear, not milky. Try not to let anything get on the tacky **Micro Metal Foil Adhesive** at this time. On large surfaces you should use pieces of foil cut roughly to size. On smaller areas any piece big enough to cover will do. Wipe the surface of the model with a tack rag or a very slightly damp clean lint free rag. Place the metal foil with the tacky side down on the area you wish to metalize as flat as you can so as not to trap air. Next, using your hands, which should be clean and free of adhesive, carefully press the foil to the surface. You should start at the center and press to the outside. Starts out very gently at first and then a little firmer not press too hard, but the more you can do now the faster it will go. When you have done all you can do, get an ordinary cotton swab on a stick, and work over the areas you have not secured down. When you have covered all you can do this way and the job looks right, then you are finished. On highly detailed models this process might not be enough, you will then need some wooden tooth picks to finish. The round kind works the best for most models. Here you will have to be most careful because if the tip of the toothpick is too sharp, then you could gouge the soft aluminum causing a tare. You will then have to replace at least a portion of the damaged area. So you will do best by checking the tooth picks for sharp edges and using fine sandpaper to round the edges to fit the shapes you will be using them on. Once you get the idea you should have no trouble working the foil at all, because it is really very simple and very effective. When you have the foil conforming perfectly to the model surface you can cut the excess away with a sharp pointed hobby knife. When finished correctly you can turn regular plastic model into a real looking metal model for just a few pennies.

MICROSCALE SYSTEM PACK MI-SP

11-1 oz. bottles.

One of each **MICROSCALE SYSTEM** product in a spiffy box, **MICROSCALE BOTTLE DISPLAY RACK**: MI-DEAL - 1 metal rack + 72 Bottles (12 Kristal Klear & 6 ea. of all others.)

